

PETERS VERNY JONES & SCHMITT, L.L.P.

Attorneys at Law

425 Sherman Avenue, Suite 230
Palo Alto CA 94306
Telephone: (650) 324-1677
Facsimile: (650) 324-1678

**RECEIVED
CENTRAL FAX CENTER**

OCT 12 2004

FAX TRANSMISSION COVER SHEET

Date: October 12, 2004

To: Mail Stop Amendment
Attn: Examiner Erik J. Kielin

Cc:

Company: United States Patent and Trademark Office

Fax: 1-703-872-9306

Re: Application Number: 09/977,069
Filing Date: 10/11/2004
Attorney Docket No.: 5002.04

Sender: Joan I. Abriam

**YOU SHOULD RECEIVE [12] PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO
NOT RECEIVE ALL THE PAGES, PLEASE CALL (650) 324-1677.**

CONFIDENTIALITY NOTE:

The documents accompanying this facsimile transmission contain information from the law firm of PETERS, VERNY, JONES & SCHMITT, L.L.P., which is confidential and/or legally privileged. The information is intended only for the use of the individual or entity named in this transmission sheet above. If you are not the intended recipient, you are hereby notified that any disclosures, copying, and distribution or the taking of any action in reliance on the contents of this facsimile information is strictly prohibited, and that the documents should be returned to this firm immediately. In this regard, if you have received this facsimile transmission in error, please notify us by telephone immediately so that we can arrange for the return of the documents to us at no cost to you.

Original will follow by mail
will not follow by mail ✓

Office Action Dated: 07/16/2004
Response Due: 10/16/2004
Response Faxed: 10/12/2004

PTO/SB/21 (04-04)
Approved for use through 07/31/2008. OMB 0831-0031
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/977,069	
	Filing Date	10/11/2001	
	First Named Inventor	G. Ramanath	
	Art Unit	2813	
	Examiner Name	Kielin, Erik J	
Total Number of Pages in This Submission	11	Attorney Docket Number	5002.04

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Part/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
Remarks <div style="border: 1px solid black; height: 60px; width: 100%;"></div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David J. Aston Reg. No. 28,051
Signature	<i>David J. Aston</i>
Date	October 12, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on			
Typed or printed name	Joan I. Abriam	Date	October 12, 2004
Signature	<i>Joan I. Abriam</i>	Date	October 12, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
CENTRAL FAX CENTER

PATENT

Peters Verny Jones & Schmitt Docket No. 5002.04
Customer No. 23308

OCT 12 2004

Ser. No. 09/977,069

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	: G. Ramanath, et al.	Art Unit.	: 2813
Serial	: 09/977,069	Examiner	: Kielin, Erik J
Number			
Filed	: 10/11/2001		:
Title	: Self Assembled -Near- Zero Thickness Molecular Layers as Diffusion Barriers for Cu Metallization		:
Confirmation		Customer	
Number	: 9488	Number	: 23308

CERTIFICATE OF MAILING or FACSIMILE TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)
I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria Virginia, 22323-1450, or facsimile transmitted (1-703-872-9306) to the U.S. Patent and Trademark Office on the date shown below.

Dated: 10/12/04

By: 

Printed Name: Joan L. Abriam

AMENDMENT IN RESPONSE TO NON-FINAL
OFFICE ACTION MAILED 07/16/2004

Mail Stop Amendment
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office Action of July 16, 2004, please amend the above-

Amendment dated 10/12/2004

Page 1 of 10

PATENT

Peters Verny Jones & Schmitt Docket No. 5002.04
Customer No. 23308

Ser. No. 09/977,069

identified application as set forth below, in accordance with revised amendment practice, 37 CFR 1.121, effective July 30, 2003. A complete listing of all claims, replacing all prior claims in the application, and including the text of all non-cancelled claims, is attached.

Because this Amendment and Response is being filed prior to 10/16/2004, and no new claims are added, no fee is believed due. However, the Commissioner is authorized to charge any fee due to Deposit Account No. 16-1331.

This Amendment is accompanied by a facsimile cover sheet.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 6 of this paper.